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[US/US]; Department of Electrical Engineering and Computer Science, Portland State University, 1900 SW 4th Avenue, Office #55-15, Portland, OR 97207 (US). **JUN, Peter** [US/US]: 4044 SW Trail Road, Tualatin, OR 97062 (US). **JUN, William** [US/US]: 4044 SW Trail Road, Tualatin, OR 97062 (US).

(74) Agent: **KIM, Yoon, Bae**; Kims and Lees, International Patent and Law Offices, 8th Floor, Dongduk Building, 151-8 Kwanhoon-Dong, Jongro-Gu, Seoul 110-300 (KR).

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(75) **Inventors/Applicants (for US only):** JUN, David, S.

(54) Title: HYBRID METHOD AND SYSTEM OF THE IMPROVED BIDIRECTIONAL GPS AND CELLULAR/PCS

(57) Abstract: The purpose of the invention is to maximize and to optimize an intelligent and multipurpose functions for network by using a hybrid method, supplementing a re-transmission function, of improved bidirectional GPS (Global Positioning System) with the existing Cellular/PCS (Personal Communications Services). The invention, a hybrid method of combining Cellular/PCS and improved bidirectional GPS, manipulates as follows: GPS signals can be used independently, received from a Receiver (1) through a GPS (2) by using data stored on EEPROM (Electrically Erasable Programmable Read Only Memory) (4) via a Signal Hybrid Processor (3); an External I/O Interface (8) can retransmit time marked, status and operations and Function Manager (5) can also re-transmit various states of the PCS (Event Marking) as well as coordinate signals connected to Cellular/PCS network; Coordinates of User (a) are transferred Transmitter (1) and Antenna (A) and can call to user (b) simultaneously; In this case, coordinates of User (a) are converted to ASCII codes in DB (Data Base) of station, and display into User (b) with Use (a) ID (Identification) and real locations like address (street name and so on), such a way that shows as following, Receiver (B) → RF (Radio Frequency)/IF (Intermediate Frequency) (C) → Baseband Processor (D) → Display Device (7). This Hybrid Method implements a data base from acquired data on network for various intelligent functions.